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NAZARENKO *et al.*  
Appl. No. 10/026,952

contacting at least first oligonucleotide with at least one target nucleic acid molecule under conditions sufficient to cause extension of the first oligonucleotide when the 3'-most nucleotide or nucleotides of the oligonucleotide base pairs with the nucleotide or nucleotides at the specific position or positions of the target nucleic acid molecule;

A2  
cont.

contacting at least a second oligonucleotide with at least one target nucleic acid molecule under conditions sufficient to inhibit or prevent extension of the oligonucleotide when the 3'-most nucleotide or nucleotides of the oligonucleotide do not substantially base pair with the nucleotide or nucleotides at the specific position or positions of the target nucleic acid molecule; and

comparing the level of extension or the amount of extension product accomplished with the first oligonucleotide compared to the second oligonucleotide, wherein said first and/or second oligonucleotide comprises an oligonucleotide of claims 42 or 51.

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***In the Specification:***

Please substitute pending paragraph [0001] with the following paragraph [0001]:

A3

The present application claims the benefit of both U.S. Provisional Application 60/330,468, filed October 23, 2001, and U.S. Application No. 09/748,146, filed December 27, 2000, which are incorporated herein by reference in their entirety.

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